



Attorney Docket No.: A-67229-6/RFT/RMS/RMK

PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Examiner: T. BHATTI

DAHIYAT, et al.

Group Art Unit: 1627

Serial No.: 09/782,004

CERTIFICATE OF MAILING

Filed: February 12, 2001

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January 15, 2002

Signed: Mary McFarland  
Mary McFarland

PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, DC 20231

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Sir:

Prior to examination please amend the above-identified application as follows:

In the Claims:

Please add the following new claims:

-10. A method executed by a computer under the control of a program, said computer including a memory for storing said program said method comprising the steps of:

- (A) receiving a protein backbone structure with variable residue positions;
- (B) classifying each variable residue position as either a core, surface, or boundary residue;
- (C) establishing a group of potential rotamers for each of said variable residue positions, wherein the group of potential rotamers for at least one of said variable residue positions has a rotamer selected from each of at least two different amino acid side chains; and,